

NEWSLINE

Published weekly for employees of Lawrence Livermore National Laboratory

Friday, November 9, 2001

Vol. 26, No. 45

Terrorism sparks need to be SAFE

By Don Johnston

NEWSLINE STAFF WRITER

"We're facing a new world" and consequently "we're going to have to think differently," said Terry Turchie, manager of the Laboratory's Security Awareness for Employees (SAFE) Program.

In an Oct. 30 presentation, "How to Catch Terrorists," Turchie sought to provide employees with a better "feel" for terrorism, insight on how past experience "prepares us for the present and future," and offered measures people can take to protect themselves and their families.

Turchie, a former FBI agent, discussed his own extensive experience in investigating both domestic and international terrorists. He led the FBI team that investigated and eventually arrested "Unabomber" Ted Kaczynski. Prior to coming to the Lab, Turchie had overall responsibility for managing the FBI's counterterrorism program.

Terrorism in the United States had been a reality for more than a decade before the catastrophic events of Sept. 11, Turchie reminded employees, noting that until then, the 1993 bombing of the



JULIE KORHUMMEL/NEWSLINE

SAFE manager Terry Turchie outlined a number of recommendations for employees to raise their awareness of suspicious activity.

World Trade Center, which killed six people and injured 1,000, had been "the worst act of

See **SAFE**, page 8

Space science ready for takeoff at special Visitors Center event

Space travel and astronaut training will be the theme on Saturday, Nov. 10, when "Space & Science Saturday" touches down at the Visitors Center and adjoining area near the Eastgate entrance. The event blasts off at 10 a.m. and will continue until 2 p.m.

"We hope this will be the first in a series of special Saturday events. We want to provide some fun activities for families and kids while at the same time, showcase some excellent science exhibits found in our Visitors Center," said Linda Lucchetti, Visitors Center coordinator. "Many employees and community members are surprised to discover the wealth of interesting displays that highlight the Lab's work. We hope we can spark more interest by opening the Visitors Center doors this Saturday."

Specific activities for the event will be provided by the following organizations.

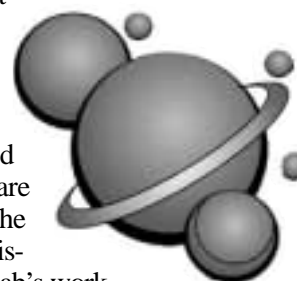
- Oakland's Chabot Space and Science Center will offer several activities from their Astronaut Training Camp. Kids will get a feel for how space travelers live in outer space and are challenged by a unique space environment.

- Fun with Science from LLNL's Science Technology and Education Program (STEP) will provide a variety of hands-on science activities to correlate with the space theme.

- A Laser Guide Star exhibit will feature ongoing demonstrations about the Laboratory's Guide Star program.

Also available at the Saturday event will be merchandise from LLESA's Time Zone. A map showing locations and details of specific activities will be provided to attendees. There is no admission fee and Lab employees and the public are welcome.

Call Linda Lucchetti at 2-5815 for more information or go to the Web at <http://www.llnl.gov/>.



Health Services to present latest findings of Lab's Cancer Surveillance Project

Health Services will present the latest findings of the Lab's Cancer Surveillance Project at 11 a.m. Wednesday, Nov. 14, in the Bldg. 543 auditorium.

Speakers will include Health Center Director Dr. Jim Seward, Dr. Donald Whorton and Dr. Mort Mendelsohn. All employees are invited.

The Cancer Surveillance Project is an initiative to understand the rates of different types of cancer among LLNL employees. The

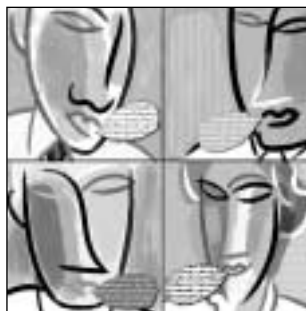
See **HEALTH**, page 4

Action teams devising survey recommendations

After extensive analysis of survey data, action teams have pinpointed issues and are now devising recommendations for change in response to the Employee Survey, "Assessing the Workplace."

These changes include more flexibility in the work schedule, the addition of timesaving services, career training and development, and better communication regarding pay, benefits, recognition programs and performance management, among other issues.

What follows is a summary of the various actions the teams have taken.



Salary/Compensation

The Survey Action Team is changing its name to Pay, Benefits and Recognition, in response to concerns the group was dealing with issues regarding salaried employees only. After analyzing the data, the group has determined that overall compensation at the Lab is competitive with other institutions.

However, the Laboratory has not effectively communicated how employees are rewarded for their work.

The group is looking into ways to enhance

See **SURVEY**, page 3



Man of honor shares his story

— Page 2



A new look at LabVIEW

— Page 3



A HOMEcoming to remember

— Page 5



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Saturday
10

The Laboratory's Visitors Center will conduct **"Space and Science Saturday"** from 10 a.m. to 2 p.m. in the Visitors Center and adjoining area.

Open to all Laboratory employees and their families, as well as the public, the event will feature hands-on activities for children provided by Oakland's Chabot Space & Science Center, the "Fun with Science" Program, as well as new Visitors Center exhibits and a laser guide star display. Merchandise from the LLESA Time Zone will be on sale. Contact: Linda Lucchetti, 2-5815.

Monday
12

The next **NIF Status Review** is scheduled Monday through Thursday. During that time, limited parking will be available to employees in the D-7 lot (across from Bldg. 482). During those four days, 50 spots within the lot will be reserved for visitors only.

Wednesday
14

Health Services will present the latest findings of the **Lab's Cancer Surveillance Project** at 11 a.m. in the Bldg. 543 auditorium. Speakers will include Drs. Jim Seward, Donald Whorton and Mort Mendelsohn. Mendelsohn also will present information on the findings of his recent mortality study. All employees are invited. (see article on page 1 for more details.)

...

A representative from **Fidelity Investments** will be on site to meet with employees today and tomorrow. Fidelity Investments are available to UC's 403(b) participants in addition to the UC-managed investment funds. For an appointment, call Fidelity at 1-800-642-7131. Be sure to specify you are an LLNL employee.

Thursday
14

As part of **America Recycles day**, employees are reminded to recycle at home and work and to purchase items with recycled content, both of which save natural resources. Employees with questions or suggestions regarding waste diversion at LLNL or buying products with recycled content, are encouraged to contact the Earth Hotline (E-ARTH).

Friday
16

The LLNL Women's Association is hosting a talk by Z. Nagin Cox, a NASA flight system engineer at the Jet Propulsion Laboratory. Her talk, **"The Galileo Mission to Jupiter — The Daring Return to Io: Moon of Volcanoes and Fire,"** will take place at 11:45 a.m. to 1:15 p.m. in the Bldg. 361 auditorium. Nagin is currently a flight system engineer on the JPL Mars 2003 Exploration Rover Mission. All employees and contract workers are welcome to attend. No reservations are required. Contact: Marina Gonzalez, 3-7904.

In the line of fire

John Walton (left) serves up chili for Lab firefighters who were invited to help judge a recent cookoff sponsored by Lab Counsel and Audit & Oversight. Sixteen cooks submitted their best chili for the taste test contest and three winners were selected. Those winners will go on to the Plant Engineering chili cookoff next spring.

MARCIA JOHNSON/TID



Veterans Day talk features man of honor

In honor of Veterans Day, the Laboratory has invited guest speaker Carl Brashear, the first African-American master diver in the U.S. Navy and the inspiration for the movie "Men of Honor," to speak on Tuesday at 11 a.m. in the Bldg. 123 auditorium.

This talk, co-sponsored by the Affirmative Action & Diversity Program and the LLNL Armed Forces Veterans Association, is open to all employees. However, due to limited seating, attendance for this presentation is limited to LLNL badged employees only. Badges will be checked at the door.

Brashear's talk will also be televised on Lab TV Channel 2. AADP will have copies of the tape available for checkout. Employees are asked not to videotape the broadcast on their own.

Born in 1931 to a sharecropper family in Kentucky, Brashear joined the Navy in 1948 at the age of 17, the same year President Truman desegregated the U.S. military. Although assigned to the galley, he dreamed of becoming a deep-sea diver, which was unheard of for a black sailor at that time.



Carl Brashear

Once admitted to the Navy Dive School, he had to overcome the limits of a seventh grade education. He persevered alone until his ability and skill earned him the equal standing he deserved. His tenacity and indomitable spirit kept him focused through years of adversity, exclusion and resistance.

Brashear went on to a notable career as a Navy diver and earned a master diver certification, despite losing half his left leg during the recovery of a nuclear warhead in the Mediterranean. In 1998, he became one of only seven enlisted men in history to be enshrined in naval archives, with a 164-page volume transcribing an oral history of his life and career.

In August, he was presented with the Veterans of Foreign Wars of the United States 2001 VFW Armed Forces Award. It is presented to recognize extraordinary achievement by members of the U.S. Armed Forces. Gen. Colin Powell received the same award in 1988.

Brashear's life inspired the recently released movie, "Men of Honor," featuring Robert DeNiro and Cuba Gooding Jr., who portrayed Brashear.

For more information about this talk, contact Michele Cardenas in AADP at 3-2796.

Science 2002 talk examines search for extraterrestrials

"For centuries the question 'Are we alone?' has fascinated humankind. In this century, we may find the answer," states Peter Backus, who will discuss the search for extraterrestrial intelligence at 7 p.m. Thursday at Livermore High School, 600 Maple St., Livermore.

His talk is the third in the Laboratory's Science 2002 Lecture Series, sponsored by Public Affairs.

Discoveries from the depths of the ocean and the remote ice fields of Antarctica suggest that life may be common in the universe. Backus is the Observing Programs manager for the Search for Extraterrestrial Intelligence (SETI) Institute in Mountain View.

His lecture will highlight the breakthroughs in computer and communications technology that will enable us to search for life with sensitivity and capability.



Peter Backus

The lecture is free and suitable for anyone interested in science. Seating is available on a first-come basis. For more information on the lecture series or directions to any of the sites, visit the Website at: www.llnl.gov/llnl/06news/community/lecture.html.

Newsline

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AROUND THE LAB



Latest printing provides a closer look at LabVIEW

By Sheri Byrd

NEWSLINE STAFF WRITER

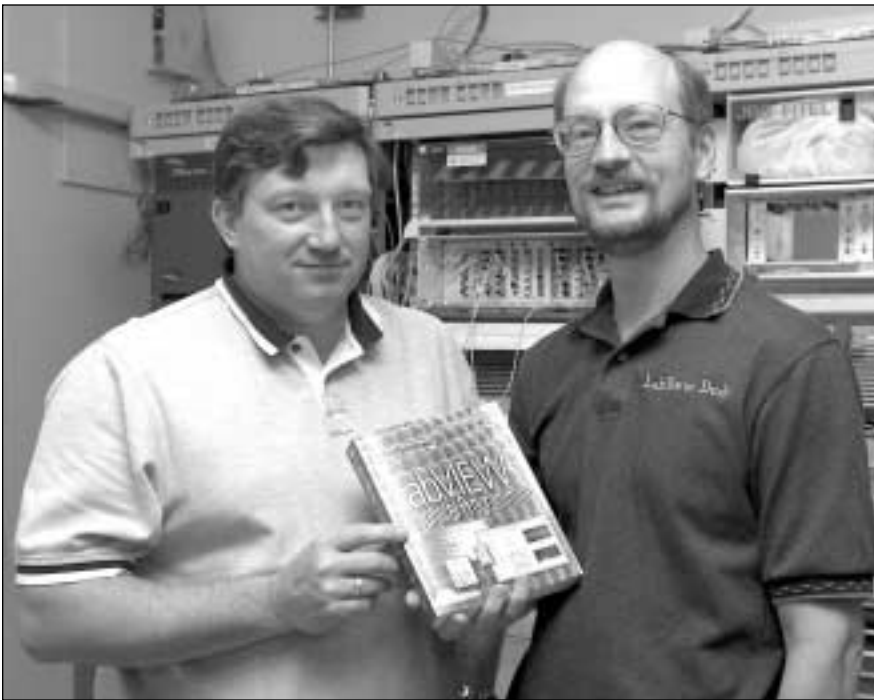
Gary Johnson has been known through the Lab and around the country as the guru of LabVIEW, a desktop graphical computer programming application, since the publishing of his first book in 1997. But even he admits that the capabilities of LabVIEW have grown so vast, no one can be an expert on all of it anymore.

With that in mind, Johnson invited Richard Jennings, a laser optical technologist at Sandia National Laboratory, to collaborate with him in the third and latest printing of what some have called “the LabVIEW Bible.” The result is a book reviewers have called “the only LabVIEW book you’ll every need” and a “great book, especially for the working person.”

The new edition is completely updated for LabVIEW 6 and adds Jennings’ contributions detailing his specialty of building embedded systems in Linux with LabVIEW.

At LLNL, the program is used extensively in engineering and simulations. So much so, in fact, that the Lab has become the largest group of users and the largest customer of National Instruments (NI), LabVIEW’s producer.

“There has been an explosion of interest in LabVIEW in the past couple of years,” Johnson said. “When my first book was printed in 1997, it



Collaborating authors Richard Jennings of Sandia (left) and Gary Johnson of LLNL display their best-selling guide to LabVIEW graphical programming.

was the only comprehensive guide. Now there are 25 books on LabVIEW. Most of them are specialized in purpose, but we have more competition now.”

The first two editions have sold more than 18,000 copies, but Johnson said the new one needed a more defined niche to compete in the larger marketplace.

“The problem with writing about software is

that it’s a moving target; it’s always changing,” he remarked. “The new book needed more than just an update. The applications for LabVIEW have become so complex, I knew it needed more than I alone could cover.”

That’s when Johnson thought of Jennings. The two have been collaborating as part of a LabVIEW users group for years and are both well known by NI as experts.

“Richard’s in-depth knowledge of using LabVIEW in Linux is just what people need to know,” Johnson said. “What’s really amazing is that he is entirely self-taught with respect to LabVIEW. This gave him a great perspective and a unique voice in explaining his techniques in the book.”

Jennings adopted Johnson’s conversational writing style, “just as if we were sitting across the desk from the reader, explaining it all like two colleagues in the office,” Johnson said.

Besides the in-depth and updated information, the book also contains useful “getting started” chapters and step-by-step instructions detailing how to build embedded systems with Linux. The CD-ROM contains a bootable Linux system with a complete set of embedded Linux tools along with many examples to help the user along.

The book is available on-line from amazon.com and at most area bookstores, as well as in the LLNL library.

SURVEY

Continued from page 1

communications and better promote benefits packages and recognition programs that carry monetary rewards.

Training/Career Development

Survey results show a general perception that training is supported to different degrees across the Laboratory. The Survey Action Team will explore ways to make training opportunities consistent across the Lab. The team will also suggest methods for making cross training more readily available, and providing retraining for employees between assignments.

With regard to career development, the team will clarify career-planning responsibilities between employees and their supervisors, provide for more consistent application of the career development process and suggest better succession planning processes.

Performance Management

While this Survey Action Team continues to study benchmark data, analysis of the employee survey shows many inconsistencies in how the Lab’s performance management system is articulated. The survey also found senior management lacks an understanding of the Lab rank and file’s perceptions toward the current performance management system.

In addition to possible improvements to the performance management system, the team will recommend ways to better communicate the process.

Work/Life Balance

This team has reviewed the survey in detail and decided to concentrate efforts in three areas: flexible schedules, employee services, and communications and training.

ASSESSING THE WORKPLACE



The survey showed that a majority of employees value flexible work schedules. “Many employees wanted more flexibility in their schedules while others appreciated the flexibility that they have,” said Bruce Warner, deputy AD for NIF Programs and SAT co-chair. The SAT found that Lab policy allows for considerable flexibility, but judging by the survey results, it doesn’t seem to be applied consistently across job classifications or work environments. “In addition, alternate schedules, such as 9/80s or part time, are attractive to a large fraction of our employees. The team is working to better understand the barriers to more flexibility and are developing approaches to overcome them,” said Warner.

The group is also reviewing the responses to the survey concerning employee services. Four service areas are repeatedly highlighted in the survey; timesaving services such as an onsite post office, improved food service options, childcare services, and enhanced exercise facilities. The next step is to look into the feasibility of adding services that address these areas. The SAT team is looking at short and longer-term solutions.

Finally, the group is exploring methods to better communicate currently available sched-

ule flexibility and employee services to the Lab population, including management. Many employees are unaware of existing work/life balance enhancements, from LLESA programs to services available through Human Resources.

Employee Empowerment

Lack of communication is one of the biggest issues in this area. “Employees know that they have to be informed if they are going to be empowered,” said Bruce Goodwin, AD for Defense & Nuclear Technologies and SAT co-chair.

In addition to pursuing ways for managers to better communicate to their employees, Goodwin said his team will address a “lack of respect” and an “inability to speak out” that some groups of employees perceive. The group will also explore ways to improve the Lab’s system for complaint resolution.

800s/900s

This Survey Action Team will address many of the issues of the other action teams, with a specific look at how they can be applied to the 800/900 job classifications. The group is focusing on recommendations to improve training and career development, employment security, empowerment and communication.

Postdocs

The Survey Action Team, which is studying post-doc issues raised by the survey, will be inviting post-docs to participate in focus groups over the next couple of weeks. The focus groups will discuss salary, career feedback and support, and supervision.

Committee co-chairs Bill Goldstein and Laura Gilliom are requesting that supervisors encourage their post-docs to attend their scheduled session.



NEWS YOU CAN USE

ISM X-FILES / by John Maduell

Sponsored by the LLNL ISM Rollout Implementation Team

Flaming Pop Tarts

This scenario was taken from Lab Lesson Learned files

Flames shot a foot into the air from a toaster that an employee was using to heat a Pop Tart.

CAUTION: If toaster is overheated, popping/torcing can become extremely hot and could cause burns. Do not leave toaster appliance unattended due to possible risk of fire.

Follow cautionary warnings.

What Happened

An employee had placed a Pop Tart in the toaster, then walked away while it was being heated. When she returned, she saw flames coming from the toaster.

Don't become complacent when preparing food.

Outcome

The toaster mechanism had become stuck in the down position while the Pop Tart was being heated at a moderate-high temperature. There have been numerous reports nationwide of Pop Tarts igniting in toasters.

Analyze any possible hazards.

Recommended action

- Make sure a toaster you are using is not full of crumbs and other debris so the insertion mechanism will not become stuck.
- Make sure someone is present when the toaster is in operation.
- Keep appliances well maintained. Check cords and mechanisms.
- Even when heating pop Tarts, follow the directions given on the outside of the packaging, it is not just a liability disclaimer.

Make certain you strike out fire!

SLY the Safety Fox

HEALTH

Continued from page 1

Health Services Department (HSD) initiated this review of employee cancer rates to guide the development of targeted prevention and early detection programs. The presentation, "Update on Cancer Rates Among LLNL Employees," will discuss the types of cancers found and the statistical levels.

Mendelsohn will also present information on the findings of his recent mortality study.

"Taking a bite out of waste."

CHEW

CHEMICAL EXCHANGE WAREHOUSE

Free chemicals, deliveries, pick-ups

The CHEW program has delivered 10,681 chemicals from October 1993 to present, and within this time period has saved \$1,632,235.

Aiming to reduce the amount of unwanted surplus chemicals to be sent off site for disposal, the CHEW program collects and stores the surplus chemicals according to the potential use, need and capacity of the storage facility, and issues those chemicals to the new users.

The CHEW warehouse currently has more than 2,900 items available for new users. You can see the list of available chemicals on the EPD6179 server under "the CHEW Operation" after logging onto that server as a guest.

You can contact CHEW personnel by phone or pager.

Call: 4-5055

Page: 6-3608

E-mail: grewal1

Technical Meeting Calendar

Friday
9

H DIVISION
"First Principles Calculations of SiO2 Atomic Layer Deposition and Molecular Nanowires on (100) Silicon," by J. Kang, Stanford University. 10 a.m., Bldg. 319, room 205 (open area, badge required). Contact: Darlene Henry Klein, klein13@llnl.gov.

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS
"Deep X-Ray Surveys: Obscured Quasars and the X-Ray Background," by Daniel Stern, Jet Propulsion Laboratory. Noon, Bldg. 319, room 205. Contact: Joanna Allen, 3-0621.

DEFENSE & NUCLEAR TECHNOLOGIES
"Modern 2D and 3D Full-System Analysis of the Baseball Event," by Robert Weaver, Los Alamos National Laboratory. 10:30 a.m., Bldg. 132, room 1000 (cleared area). Contacts: Linda Stuart, 3-7001, or Mark Herrmann, 2-6999.

INSTITUTE FOR LASER SCIENCE AND APPLICATIONS
"Recent Results from Fokker-Planck Plasma Simulations," by Jean-Pierre Matte, INRS-Energie et Materiaux. 10 a.m., Bldg. 219, room 163 (open area, badges required). Contact: MaryAnn Soby, 3-1102.

Thursday
15

NIF MATERIALS PROGRAM OFFICE
"High Energy-Density Science Using Intense,

Ultrafast Lasers," by Todd Ditmire, University of Texas. 10:30 a.m., Bldg. 235, room 1090 (uncleared area). Contact: Lisa Rose-Webb, 2-5609.

MATERIALS RESEARCH INSTITUTE
"Making and Breaking Covalent Bonds in the Solid State: A Structural Study of Magneto-Refrigerant Gd5(SixGe1-x)4," by Wonyoung Choe, Iowa State University. 3:30 p.m., Bldg. 219, room 163 (open area, badge required). Contact: Laura E. Garcia-Martinez, 2-0620.

Friday
16

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS
"Galaxy Collisions and Mergers: the Production of Hot Halo Material in Gas-rich Galaxies," by Nathan Hearn, University of Illinois at Champaign-Urbana. Noon, Bldg. 319, room 205 (open area, badging required). Contact: Joanna Allen, 3-0621.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH
"Modeling Nuclear Contamination in Fractally Fractured Porous Media," by Jim Douglas, Purdue University. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Jim Jones, 3-5194, or Leslie Bills, 3-8927

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH
"Stochastic Multiresolution Models for Turbulence," by Brandon Whitcer, National Center for Atmospheric Research. 2 p.m., Bldg. 451, room 1025 (uncleared area). Contacts: Imola Fodor, 4-5420, or Leslie Bills, 3-8927.

H DIVISION
"External Control of DNA Hybridization and Enzyme Activity Via Covalently Attached Nanocrystal Antennas," by Kimberly Hamad, MIT. 10 a.m., Bldg. 219, room 163 (open area, badge required). Contacts: Giulia Galli, 3-4223, or Darlene Klein, 4-4844.

Monday
19

NOVEMBER 19-20 ENGINEERING SIGNAL & IMAGING SCIENCES WORKSHOP
Topical Area: Medical Imaging for Detection: "Vibro-acoustography: Ultrasonic Imaging Without Speckle," by James F. Greenleaf, Mayo Foundation. 9 a.m., Bldg. 123 auditorium (badging required). Tuesday, Nov. 20: Topical Area: Multichannel Communications: "Multiple Input - Multiple Output (MIMO) Wireless: The New Frontier," by Arogyaswami Paulraj, Stanford University. 9 a.m., Bldg. 123 auditorium (badging required). For registration information, contact Liz Kurzeika, 3-3220. Speakers must register and submit title of their talk by Nov. 1.

Tuesday
20

CHEMISTRY & MATERIALS SCIENCE
"The Materials and Chemistry of NIF: Materials for Future High-Power Lasers," by Steve Payne. 10:30 a.m., Bldg. 235, room 1090 (uncleared area.) Contacts: Tomás Díaz de la Rubia, 2-6714, or Lisa Rose-Webb, 2-5609.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

THE HOME PAGE



Child care knows no bounds at Children’s Hospital

By Elizabeth Campos Rajs
NEWSLINE STAFF WRITER

NAI secretary Jodi Elbert can’t help but smile when she talks about her 5-year-old daughter, Casey — a vibrant, energetic kindergartner who loves to sing and dance to Britney Spears songs, and who dreams of being a Disney princess.

“She is so much fun,” Elbert says, confiding that the kindergarten teacher recently told her Casey is a “leader,” which Elbert laughingly translates as teacher-speak for “bossy.”

That her daughter can run, play and keep up with children her age is nothing short of a miracle to Elbert. She is still incredulous her daughter is such a normal, healthy little girl given that she nearly died at birth and was in critical condition for the first two months of her life.

The fact that Casey not only made it through that, but is thriving today, is testament to the extraordinary care she received from doctors at Children’s Hospital in Oakland, Elbert said.

“They are the best in the state in my opinion,” Elbert said. “I love the doctors there.”

Children’s Hospital and Research Center in Oakland first opened its doors in 1912 and today has the largest pediatric intensive care unit in Northern California, and the only pediatric emergency department and only state-designated pediatric trauma center between Los Angeles and Seattle. Each year, Children’s Hospital is one of the organizations that benefits from the Lab’s annual giving campaign, Helping Others More Effectively (HOME).

Last year, Lab employees donated \$16,524 to Children’s Hospital through the HOME Campaign.

“It is really remarkable the support that Lawrence Livermore provides,” said Valerie Schutz, a spokeswoman for the Children’s Hospital foundation.

Much of that money helps pay for what the hospital calls uncompensated care, that is, care for children whose parents don’t have insurance and/or can’t afford to pay for all or part of their bill, Schutz said.

“Our promise to the community is that we will care for every child in the area no matter what,” she said.

The hospital receives nearly 180,000 pediatric patient visits a year and no child from the region is ever turned away for lack of funds. Children’s offers 141 hospital-based physicians in 30 subspecialties and is



Jodi Elbert with daughter Casey. Five years ago, Casey was a premature infant fighting for her life. Elbert credits Children's Hospital for helping her daughter win the battle.



She was two-thirds of the way through a healthy, non-eventful pregnancy when she suddenly became gravely ill with a condition called pre-eclampsia.

“I woke up one morning and was super sick. I had been having such a great pregnancy. I had not missed a day of work,” Elbert recalled.

She was rushed by ambulance to Alta Bates Hospital so she could be closer to Children’s Hospital in Oakland when she gave birth. The doctors at Alta Bates tried to stabilize her skyrocketing blood pressure for several days to give her baby a little more time to develop in the womb.

But as Elbert’s condition worsened, she was forced to give birth three months prematurely. Casey was born weighing 2 pounds, 4 ounces.

“She was really, really tiny and she faced tons of obstacles,” Elbert said. “For the first month, it was two steps forward and one step back.”

Casey was too ill to transfer to Children’s Hospital so the pediatric specialists from Children’s came to assist in taking care of her at Alta Bates. In addition to her very low birthweight, Casey was born with several complications, including a hole in her heart and a brain hemorrhage.

Because the members of the Children’s medical staff are experts when it comes to the health of kids, it is not uncommon for them to be called into another facility to care for a critically ill child, Schutz said.

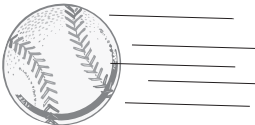
After two months in intensive care at Alta Bates in the care of Children’s physicians, Casey was able to finally go home.

“She was four pounds when she came home,” Elbert recalled. “I had to

wake her up and feed her every two hours. I got to watch late night TV, though.”

Her recovery since then is nothing short of remarkable, Elbert noted. She has few health problems and her prognosis for leading a healthy, normal childhood is good.

“She’s doing great. She was very, very lucky,” Elbert said. “In addition to a lot of love and prayers, we have Children’s Hospital to thank.”



HOME contributions to date: \$273,242

Directorate	Total Employees	No. of Contributions	\$ Donated	% Participation
Director's Office	12	1	\$50	8.33%
Science & Technology	89	5	\$1,910	5.62%
Laboratory Executive Office	80	7	\$2,440	8.75%
Strategic Operations	82	12	\$2,865	14.6%
Defense & Nuclear Technologies	400	54	\$20,510	13.5%
Energy & Environment	319	27	\$14,187	8.46%
Chemistry & Materials Science	468	39	\$19,564	8.33%
Safety, Security & Environmental Protection	1646	134	\$31,740	8.14%
NIF	191	11	\$4,690	5.76%
Physics & Advanced Technologies	394	29	\$12,333	7.36%
Engineering	2070	147	\$56,629	7.10%
Administration	279	63	\$16,914	22.58%
NAI	248	43	\$19,905	17.34%
Biology & Biotechnology Research	235	24	\$5,606	10.21%
Computation	979	51	\$27,654	5.21%
Laboratory Services	682	102	\$32,272	14.96%
Supplemental Labor		17	\$2,579	
Others	7	7	\$1,394	100%
TOTAL	8181	773	\$273,242	9.45%

HOME incentives



PHOTO COURTESY OF NAI

Roger Werne (left) presented the first round of incentive awards for the HOME Campaign. Peter Goldstein was among six recipients picked to draw for special prizes — from gift certificates to restaurants and wineries to donated merchandise. Employees who return their HOME packets by 2 p.m. today will be eligible for next week’s drawing, on Nov. 14. For more information see the Web page at <http://www-r.llnl.gov/HOME2001/>



AUTOMOBILES

1991 - Toyota Camry DX 4Dr,AT,PS,PB,Crs Contrl,cool AC,PW&locks, 132K, clearn&great cond,orig owner. Recent tires only 4K. Blue ext/int.\$4,250. After 6pm 209-832-3931

1998 - Corolla, A/C, power steering, ABS, front & side airbags, cruise control, AM/FM/Cassette. \$7000 925-462-1554

2000 - Toyota Sienna XLE, loaded, deluxe leather, 6CD \$27K mint 925-447-0430

1985 - Toyota Landcruiser, 4.1-liter straight 6, 4WD, AC, tow, 4-speed manual, 253k miles, reliable and strong, \$4500/bo. 925-447-4830

1989 - Ford Escort smogged and tagged. 61k miles 1 owner.1,500 OBO. 209-858-0099

1968 - Chevy Malibu, 307 with dual exhaust, body straight/no rust. Vinyl top/interior excellent condition. Needs a little minor work/paint. \$6000 OBO 209-537-4112

1984 - Honda Accord LX 4 doors,AC,recent head job and rings,new radiator,smoged,runs good 209-531-1527

2001 - BMW 325i. Loaded. Blue/tan. Auto/tiptronic. Four doors. Moonrof. Dual power seats. Non-smoker. 15k mi. \$33,000. 925-487-4242

1997 - Acura CL 2.2 Coupe, loaded, power everything, leather, moon roof,CD, Excellent Condition, run and looks great, 44K miles. 925-447-5746

1993 - Oldsmobile Ciera, V6 Excel. Cond. Orig. Owner 70K \$3700. 925-443-7656

1990 - Mazda 626 Exc. running condition, 1 owner, very reliable. Paint(Dark Gray)oxidized on hood and top.\$3300. 925-443-4895

1970 - Porsche 911Targa, 120K, Some rust and interior needs work \$5500. 925-443-4895

1991 - Camry Wagon, 180K Hiway miles, one owner, dealer serviced, auto, pwr package, cruise control, new timing belt, Very Good Condition, \$3800 510-522-4006

1994 - T-Bird, V-8, loaded, sun-roof, runs great, looks great, new tires, brakes. \$6000 obo 925-455-5675

1994 - Chevy Camaro, V-6, 3.4 L, AT, 124k miles, loaded, new tires, fog lights, well maint., good cond., \$4,500 firm 209-833-3785

1987 - Acura Integra RS, 2 dr hatchback, AC, 5 spd manual trans., power steering, AM/FM cassette stereo, 154K frwy miles, one owner, very good cond., \$2000 925-838-5988

1997 - BMW 528i sedan 4D 6-cyl, 85000 mile. Cobalt blue, Leather,Has every thing,all records, \$26.000 bo 209-869-5362

1991 - Chevrolet Geo Metro, 48,000 miles, Automatic, Great Condition, Great Mileage, Great Commute Car! Burgundy Color. \$1,300. 510-351-4253

1991 - Ford Explorer XLT.128K mi,Silver/Black AT,A/C,PwrSteer,PwrWin, AM/FM Cassette,many extras.Very clean. \$5200, 925-447-0083

1989 - Blue Camero RS, good cond. runs great. \$3000 OBO eve. 209-239-2639

1991 - Mercury Capri Convertible. Black, 2door, 5 speed, A/C, AM/FM/cass, power windows & mirrors, 62K miles. Original owner. Great condition. Asking \$3000. 209-833-8306

1998 - Jeep Wrangler Sport, Excellent condition, Loaded with Extras. Three Tops. 34,000 miles, under 75,000 mile warranty. MUST SEE. \$18,500 OBO 925-426-8156

1998 - Toyota 4Runner Ltd, 4WD, AC, PS, Leather, Alloy Wheels, Towing Pkg, Running Boards, 50K Miles Very Clean \$27,500 OBO 209-754-4367

1998 - Pontiac Grand Prix (GTP), fully loaded, white w/camel leather interior, CD changer-12, heads up display, 37,500 miles, \$21K or B.O. 925-606-7262

1989 - Honda Civic LX, AT/AC, Excel. Cond. MUST SELL Mi.167K commute car. \$2,500 or Best Offer. 209-892-6271

AUTOMOBILE ACCESSORIES

Five-bolt 15x7 American Racing, composite rims off 66 Mustang. Good condition,

classic 5 spoke look. \$140.00(obo) for all four. 925-243-0293

Toyota Factory aluminum rims like new and 31x10.5 in All Terran tires (lots of tread) 6 lug rim pattern.\$350.00 B/O 925-449-4262

Trailer electric brake control, enertial Tekonsha commander, excellent condition \$25.00 925-829-3175

1999 Dodge Ram 1500 Factory Alloy Wheels For Sale. 2 Wheels with new tires 245/75R16. Need a matching spare? \$100 each. 209-835-6556

BOATS

1989 Yahama Waverunner with trailer. \$1,500 or will trade for good condition street-legal dirt bike. 209-462-8077

4 horsepower 2 stroke with tank.\$50.00 209-234-2314

12-foot aluminum boat Ottawa. With locking middle seat compartment. \$350.00 B/O 925-449-4262

16.5 wellcraft open bow. Dwnrgr, Fish Finders, trolling mtr, stereo, trolling plate, Blue and ivory, all accessories incl. \$3400.00 bo. 209-869-5362

ELECTRONIC EQUIPMENT

Gas tube light transformer. 120 VAC primary, 7500 V secondary. \$30 925-245-4570

Oscilloscope Tektronix Model 7834 with tilt cart,plug-ins, viewer hood, probes \$500.00. Vectronics tunable DSP Filter,VEC-884,AC adapter \$100. 925-449-2008

Mathematica, Student version. Unopened/ cannot use. \$100/BO. 925-846-8703

Pentium200Mhz; 48MB RAM; 20GBHardrive; 4MBVideoRAM; CDROM; PCIAudio; 33.6Modem; EthernetCard; Speakers; and More 925-828-0519

Hewlett Packard Scanjet IICX flatbed scanner (for Macintosh). Free to good home. 925-837-4811

Mitsubitshi 45 inch rear projector TV, Needs minor repairs \$75. Call after 5:30pm. 925-371-6485

25 inch television, works good \$45.00 925-829-3175

New! Compaq 5080US 800Mhz, 128MB RAM, 20GB HD, 56k, 48xCD, Windows ME, CPU, mouse, keyboard. \$450 firm. 925-756-2253

GIVEAWAY

13-in. color TV/VCR combination, tuner is going but most channels work. 925-455-1547

Grecian Spa 8ft x 8ft portable spa, Rovell shell in good shape, new motor and pump. Needs control box repair. FREE u-haul 925-634-0423

Free, rather large swing set with hobby horse,two swings,U-bar,love seat and slide. Currently disassembled, all parts there. U-haul 925-443-4895

Sears air compressor, 2 cyl. 150 psi, burned out motor. 4x8 sheet of 1/2 inch drywall. 925-443-2245

HOUSEHOLD

Baby crib and matching change table. White-washed Oak. Excellent condition. \$250.00. 209-543-6788

Crib - Simmons maple crib w/mattress, 1998, modern look, great condition, photo avail., \$80, bedding an additional \$10. 925-837-7463

Framed painting by local artist Norma Webb (Collier Canyon Scene 1980) approx. 32x44 \$175 925-447-8613

Castlron Kitchenware- 1,2,3 qt sauce pans, dutch oven, 7 and 9 inch frypans. Wood handles, very old. \$40 OBO. 510-538-1121

Sewing machine, heavy, brother with cams \$20.00 925-447-3798

Three oak captain style swivel bar stools \$75.00 each. Two oak swivel bar stools \$35.00 each 925-516-7849

Skill Saw, worm drive, 7 1/2 inch. Good condition. \$50. 925-449-3900

Little Tykes 4X4X4 foot climbing structure with slide for kids up to 5 years old. \$75

925-362-9078

Vacuum cleaner, upright, Eureka with attachments, excellent condition \$50.00 925-829-3175

Blue and white couch and love seat. \$175.00 or OBO located in Brentwood. You pick up. 925-240-7889

Large old oak desk 1950s. Good condition. \$75 u-haul. Leave message. 209-835-9240

Black leather Executive style chair with oak arm rests. Excellent condition. Pick up in Discovery Bay or Lab. \$75 925-513-3538

Tan Hide-A-Bed, full sized. Hardly used. \$300.00 OBO 925-447-1871

Wall Mirror, beachwood, brand new from IKEA, 27in wide x 53in high, \$35 firm. Bread/Meat Slicer, hand-operated, from Europe, \$15. 925-443-1673

Maytag Refrigerator. 8 months Old. 23 CuFt. Sell for \$800. Cost New \$1,300. 818-693-8981

Solid oak bar w/brass footrail. Top contains card table with removable protective glass. Plenty of storage behind. \$600. New! can email picture. 925-756-2253

MISCELLANEOUS

Yard sale. 1473 Buena Vista Ave., Livermore. Office desk, 69 Chevy truck, household & misc. Fri, Sat, Sun, Nov. 9-11.

Breast pump - Medela double electric breast pump (Pump in Style 98), lightly used, priced to move, \$90. 925-837-7463

Samsonite 24 inch hard side suitcase (wineberry) \$35, John Bradshaw tapes \$2 each 925-447-8613

Bread Machine \$25.00, Antique Mahogny Clock call for price, Oak table, 6 chairs, extension leaves \$250.00 925-447-3798

Microscope, AO Stereo 3-objectives (1X,2X7X), Dual 9X eyepieces, adjustable stand, light \$250. Additional equipment/ parts. Antique radios/tubes. 925-449-2008

Italian Cypress 5 avail, 1 gal, 13 inches tall, \$10 take all, will grow fast with a little care and love. 925-447-6192

Makita portable table saw with 3 carbide blades. Saw and blades in xcellent condition. \$150 925-449-3900

SHOPSMITH MARK 5 with Bandsaw many accessories included. \$950 HONDA GAS MOWER very good condition. \$85 925-846-1016

Book binder, comb, with supply of combs \$65 925-829-3175

20-vol set Discovering Antiques, \$49. 925-447-0428

Century Child Car Seat, forward facing 30-60 lbs. Excellent condition. \$20 obo. 209-835-6556

Beige Leather Sofa excellent cond.\$275 Captains bed w/mattress and drawers \$200. 25In TV Exce.w/remote \$175.Eves 925-828-6568

Two, 1/2 carat princess-cut white gold anniversary bands. \$400 ea. Never worn. 925-756-2253

Electric deep fryer 2-basket. great for a restaurant or catering service asking \$250.obo, 209-521-4846

MOTORCYCLES

1989 - Suzuki GSX-R750 w/1991 motor. Includes Stage 3 jetkit, Zero Gravity wind-shield, Yoshimura tailpipe, custom paint, helmets, jacket. Fast & fun! 209-848-8458

1998 - Harley Davidson XLH Police. Nice, full size - \$11,500. 925-443-4017

MUSIC INSTRUMENTS

Saxophone, Alto, Vito (Student) \$500 925-443-7419

PETS & SUPPLIES

75 gallon Aquarium,Magnum filter,Fish and Stand.\$250.00 best offer 209-234-2314

Two beautiful cats. Love each other and humans. Very young but nearly full grown. Neutered and have had shots. FREE. 925-455-1747

Cockatiels, 2-3 months old. Greys, Lutinos

& Pearls. Friendly & tame \$35.00 each. Eves- 925-606-7128

Blue Front Amazon, hand tame, cage plus accessories. \$500 925-294-8632

Dachshund male,about one year old. Free to a good home.Moving. unable to take with us. 209-823-7696

RECREATION EQUIPMENT

Treadmill. Very nice but needs mechanical work. \$50 or BO. 209-462-8077

Exerciser, walking treadmill type, good for upper and lower limbs workout, monitor \$125.00/obo 925-447-3798

Duffle bag. Three sections: one insulated for hot/cold food storage, another for wet clothing, and main section for general storage. Never used. \$20. 925-846-3653

Gravity inversion boots. \$45. 925-245-4570

Tiger Woods and Dale Earnhardt Sr. Autographed Nike & Chevy caps \$175. & 300. respectively. Letter of Auth.Great 4 X-mas 925-443-4895

Snowboard Morrow \$75.00 925-634-0423

96 Holiday Rambler 38ft. Deisel pusher.slideout.queen bed, sleeps 6 full kitchen, 18000 miles,call for more info. on this baby. 209-234-1430

Scuba tanks w/valve, 72s,steel \$50ea obo Bob 925-443-5652

Weslo cardioglide, total body lo impact exerciser \$50.00 925-447-4884

RIDESHARING

Express your commute, call 2-RIDE for more information or visit http://www-r.lnln.gov/ tsmg.

Manteca - 1 additional rider/driver needed. Arrive LLNL 7:45AM, leave 4:30PM. 209-823-5085, ext. 2-0643

Lafayette - LaMOrinda (also Walnut Creek stop at Rudgear Rd) luxury Vanpool (reclining seats, reading lights) 8-4:45, \$105/mo (pretax reduction available) 925-943-6701, ext. 2-3005

Cupertino/San Jose - Looking for a van-pool/carpool 8:00 - 4:45. Possible flexibility in hrs. 408-787-9992, ext. 4-4527

Ceres/Modesto - 14 psgr Enterprise deluxe van, 7:00-3:30, \$120/month 209-537-0229, ext. 3-6631

Danville - Near Camino Tassajara & Crow Canyon - 2 drivers/riders seeking additional member to carpool from south Danville, 8:00-4:45. 925-736-9441, ext. 2-1039

SERVICES

Let me help you get your pictures out of boxes and into albums! Schedule a home show or class today in the art of scrapbook-ing/photo preservation. 209-462-8077

Auto repair. Cheap rates. Work from home-Tracy. Call Bill. 209-835-5475

Painting interior,exterior,quality paint, quality work neat and clean.free estimates 925-447-0589

House Painting - Interior&Exterior, quality craftsmanship. 10% off fall special. Free estimates. 925-447-5132

Manteca Area - Babysitting and Pet Care Services. Reliable & reasonable rates. 209-823-5085

Want someone to clean your house 1-2 times per month? Give us a call to discuss the details. 209-836-9082

Builder/Handyman. All trades. 31 years experience. local references. 209-835-7270

SHARED HOUSING

Livermore - Furnished, newly painted/carpeted room, fun co-ed house, 3 mi from LLNL, W/D, shared bath., N/S, no pets, \$500, deposit. 925-447-3133

Livermore - Very large master br. W/bath, and deck, 1/4 utilities, available Dec.1, \$650 mo. 925-447-4224

Dublin - - Room available in 3BR/2BA home,\$700+ deposit includes utilities and private bath, good location,N/S. - 510-334-0633

Livermore - Separate unit, 1 bedroom, w/kitchen, living area, bath. N/S, N/P. \$600/mo + utilities. 925-455-8108

TRUCKS & TRAILERS

1999 - Chevy Z71 ext. cab, 3rd door, camper shell, sprayed in bedliner, steps, 60K miles, very nice \$22,000 209-838-6105

1975 - Ford F250, 460 V8, AT, PB, tow, 2WD, 125k miles, runs strong. Good work truck. \$1200/bo. 925-447-4830

1995 - Toyota T100 4x4, Calif Concept type package included, Clean, Great condition, too many extras to list. Call now. 510-581-1863

1996 - Chevrolet Silverado 1500; 3-door, 4x4, shell, tow package, custom bumper. 9 inch Rancho lift w/oversize wheels and tires. 71,000 miles. \$18,500 925-606-8763

1989 - Chevy silerado 3500 4x4 ext cab pickup. V/8 454/7.4 liter, 127k.at,ps,pw,pb, pdl,cc,tw,cd, tool box, custom wheels,tow pckg, great cond \$7.200 209-869-5362

1992 - Leer Camper shell for 1992 and other GMC and Chevy short bed pickups. Burgandy in color has side windows with screens. \$100 u-haul. Leave message 209-835-9240

1992 - Ford F150 XLT 4X4. Rebuilt transfer case, motor, engine. New tires, battery, windshield, brakes. No overdrive. Minor body dents. \$1900. 925-243-1607

1956 - F100 Vent window conversion kit. Removes vent window. Tinted glass & chromed channel complete with new rails. sold new for \$425 \$200 firm 925-679-1288

1963 - Breeze travel trailer in nice shape for its age! \$1000 eve. 209-239-2639

1994 - Fleetwood Bounder,34C,Ford,20K mi,loaded,VGC, great storage,after 5:00p.m. 209-835-4138

1990 - JEEP Cherokee, 4L, 4x4, tow pack/electric brake controller, running well, 160,000 mi., \$2950 925-447-9787

1976 - MILEY TRAILER 2-horse straight load, xtra wide & tall, bumper pull. Clean, three new tires including spare. \$1000 obo 209-786-3910

VACATION RENTALS

Puerta Vallarta-Costa Vida Resort. 2 bdrm condo overlooking the pacific. 12/27/01 thru 01/03/02 and 01/03/02 thru 01/10/02. \$500 wk. 209-451-1308

Maui, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. Low LLNL rates for year-round reservations. 925-449-0761

SOUTH LAKE TAHOE - 3 Bedroom 2 Bath Chalet, nicely furnished,all amenities,close to all skiing, Off-season Rates! Reserve Holidays/Skiing Now! 209-599-4644

Sea Ranch - Oceanview home. No smoking. No pets. Adults only. 2BR(KQ)/2BA 1700sqft. Hike. Bike. Whale watch. Kayak. Swim. Tide pool. 925-443-5086

PineCrest - (Off Sonora Pass Road), 3 bdrm/2 bath, frplc w/wood, microwave, barbecue, pool table, large deck and view up No. Fork of Tuolumne, \$175/wknd. 925-449-5513

Soda Springs/Donner Summit Classic A frame, 2BR/1BA+Loft, sleeps 8,Walk to Royal Gorge,5 min to Sugar Bowl \$250 wknd,\$550/week call for availability 209-836-3481

WANTED

Wanted - young parakeet. 925-447-1954

older western mare to lease or possibly purchase. Must be suitable for 7 yr old to show walk/jog in Arabian Shows. References available. 209-847-1231

1 or 2 reasonably priced motorcycles in good working condition. Must be street legal. 209-462-8077

Apple monitor and printer at reasonable price. 209-531-1527

49er vs Miami Dolphin tickets(2) on Dec. 16th. 925-600-7328

Wanted - twin bunk beds or twin over full in excellent condition. No top mattress required. 925-243-0730

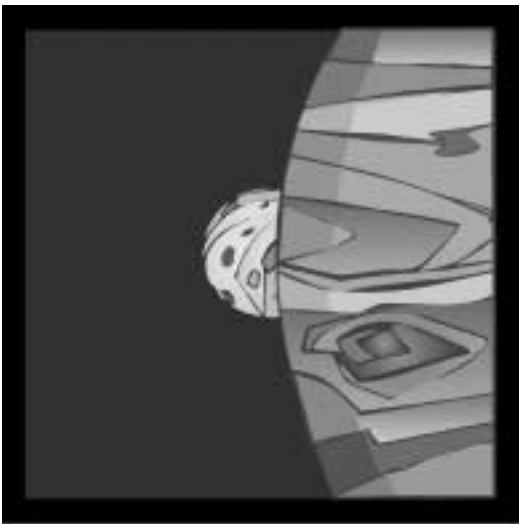
POOL/Billard table, regulation size, good condition, reasonable. 209-832-4314

NASA engineer offers journey to moons of Jupiter

In 1492, explorers found a “new world.” Now, in our own time, another invincible ship is pushing at the frontiers of our knowledge.

The Galileo spacecraft has been in orbit around Jupiter since December 1995, sending back stunning new images of this giant planet and its moons. In the Galileo Europa Mission of 1998-99, the spacecraft completed the major portion of it’s exploration of the moon Europa.

Now, Galileo has survived one of its greatest challenges — returning to the volcanic moon Io deep in the heart of Jupiter’s radiation belts. Come relive the journey through the solar system, experience the excitement of arrival at Jupiter and share in the wonder of Galileo’s mission when Z. Nagin Cox, flight system engineer at NASA’s Jet



Propulsion Laboratory, presents “The Galileo Mission to Jupiter: The Daring Return to Io: Moon of Volcanoes and Fire.”

The talk takes place at 11:45 a.m. Friday, Nov. 16 in the Bldg. 361 auditorium.

In 1986, Nagin graduated from Cornell University with a bachelor’s degrees in operations research and indus-

trial engineering and psychology and was commissioned as an officer in the US Air Force. As a lieutenant, she was stationed at Wright-Patterson Air Force Base in Ohio and worked as a systems engi-

neer in F-16 aircrew training. Then she attended the Air Force Institute of Technology where she received a masters degree in space operations systems engineering in 1990. As a captain, she served as an Orbital Analyst at NORAD/Space Command in Cheyenne Mountain, Colorado Springs.

In 1993, after leaving the Air Force to pursue more civilian space applications, she joined JPL as a ground data system engineer. At the same time, she served for two additional years in the Air Force Reserve as a space operations officer. In 1995, she transferred into JPL’s Spacecraft Systems Engineering Section and worked as the deputy team chief of the engineering spacecraft flight team for NASA/JPL’s Galileo mission to Jupiter until February 2000. Nagin is currently a flight system engineer on the JPL Mars 2003 Exploration Rover Mission.

All employees and contract workers are welcome to attend. No reservations are required. If you have any questions regarding this program, please contact Marina Gonzalez, 3-7904.

Public broadcasting getting ready to ride the digital wave

By Sheri Byrd

NEWSLINE STAFF WRITER

Approximately 1,600 public radio and television stations in the United States are currently undergoing the greatest technological change ever, according to Frank Cruz, chairman of the Corporation for Public Broadcasting (CPB).

Speaking to Lab employees in a special presentation for Hispanic Heritage Month, Cruz outlined the broadcast environment of the near future in his talk, “Public Broadcasting in the Digital Age.”

“In 2006, traditional analog television broadcasting goes dark,” he stated. “In its place, each network will receive five to 15 times the number of channels they currently own. We will see an explosion of at least 8,000 new television channels.”

Cruz said the Public Broadcasting System (PBS) is planning to meet the challenges of increased opportunity. “Technology has finally caught up with our mission,” he declared.

With the five- to fifteen-fold increase in stations, Cruz spoke of the nearly unlimited possibilities in transmitting all sorts of data and predicted a “sweeping transformation of television industry operations and revenue.”

In the PBS realm, Cruz told audience members to expect an all-PBS-kids’ channel, as well as a PBS adult learning channel. Working in conjunction with universities and other institutions, the PBS Online Learning Services channel plans to offer at-home courses for K-12 teacher certification and post-secondary certificates for jobs such as nurses, police

officers, firefighters and paramedics.

Digital TV, said Cruz, is a better way of transmitting television signals. Most people today still have analog televisions, which have changed little in basic function since their inception in the 1950s, adding only color and stereo sound capabilities through the decades. Analog signals are susceptible to all sorts of interference and reception troubles, whereas digital signals will be much, much clearer.

The groundwork for the switch to digital broadcasting was laid in the U.S. Telecommunications Act of 1996, which mandated the top 10 American market areas have digital capability by 1999, the top 30 areas by 2001, all public broadcasting stations by 2003 and all remaining mid-size and rural market areas by 2006.

National Public Radio (NPR), the radio arm of public broadcasting, will be expanding into the digital age via two communications satellites recently launched.

“Enormous changes are coming,” Cruz said. “Radios of the future will have not only the commercial AM and FM bands, but also the subscription-based, commercial-free Sirius and XM channels, featuring about 100 channels each. We expect NPR to be able to offer four or five choices on Sirius.”

Cruz reported that research shows millions of Americans are unhappy with the standard radio choices in this country, which tend to fall into strict categories of country music, contemporary music or all news. All but the NPR stations typically feature 18-20 minutes of commercial advertising per hour.

The satellite stations, Cruz said, will feature

highly specialized programming, with nationwide, crystal-clear reception from a number of satellites in criss-crossing orbit above North America.

“A host of new opportunities, the likes of which have never been seen before, are presenting themselves here and now,” Cruz said. “I highly encourage minority producers to take advantage of this time to plan programming for specific demographic markets through PBS and other networks.

“Twenty-five to 50 years from now,” Cruz predicted, “the demographics of this country will not look as we have traditionally thought. Today’s minorities will not be the minorities at that time. How will public broadcasting meet the needs of the increasingly diverse audience? We’re looking hard at that right now. Digital media makes it possible for more diverse programming, but it doesn’t make it so.”

Frank Cruz is a veteran broadcaster and businessman, founder of the Spanish-language network Telemundo and of KVEA-TV in Los Angeles. Cruz is a former reporter for KABC-TV and KNBC-TV in Los Angeles and holds an Emmy and a Golden Mike Award for coverage of Latin-American issues and U.S.-Hispanic community events. He founded both a life insurance company and financial consulting firm. He has served as an associate professor of history at Cal State Long Beach and Sonoma State University. He holds numerous public service leadership positions including Chairman Emeritus of the California Institute for Federal Policy Research.

A video tape of Cruz’ complete talk is available from the Affirmative Action and Diversity Program, 2-9543.

BRIEFLY

Guidelines for HMO disruptions

The Pacific Health Care Medical Group, with doctors serving Livermore, Pleasanton, San Ramon, Oakland and Concord, is ceasing operations as of Dec. 31. This will affect employees in several of the UC-sponsored Health Maintenance Organization (HMO) health insurance plans. This change affects doctors in the medical group only and does not refer to the PacifiCare HMO.

Employees currently enrolled in a UC HMO and faced with a medical provider disruption have several options:

- Call the plan to find out what the change is and when it will go into effect. Also, ask the plan what your options are, should your doctor or

medical group no longer contract with the plan. Many area doctors associated with Pacific Health Care Medical Group are also members of either the Bay Valley Medical Group or the Hill Physicians East Bay medical group, both of which are accepted by the UC HMOs.

- Call your doctor or medical group and ask them if they have a contract with another UC HMO in your service area. If they do and you would like to stay with your current doctor and/or medical group, ask them whether they will take you as a patient under the other HMO. If so, you may request a transfer into the other UC HMO at any time during the year by contacting the Benefits office at 2-9955.

- If there is no other HMO available to you

to keep your current doctor or medical group, call the plan to find out what other doctors or medical groups are available to you in the area. They can advise and assist you in making the change to a new primary care physician (PCP).

- If you wish to change in or out of a plan that is not an HMO, you can change during Open Enrollment (Nov. 1-30) by calling the Open Enrollment Action Line at 800-639-3779. Open enrollment changes will be effective Jan. 1.

For additional information on Open Enrollment options, contact the Benefits office at 2-9955 or visit the benefits web page at <http://www.llnl.gov/llnl/02employment/benefits/benefits.htm>.



THE BACK PAGE



JACQUELINE MCBRIDE/TID

Atkinson gets update on NIF

NIF Program Manager Ed Moses (left) gives UC President Richard Atkinson (center) and Laboratory Management Vice President John McTague a tour of the National Ignition Facility. Atkinson and McTague came to the Lab Monday for updates on various Lab programs.

SAFE

Continued from page 1

international terrorism on American soil. The first Trade Center bombing served as a major wake-up call for law enforcement," he said. "This kind of threat hadn't been seen before."

Other attempts on New York City landmarks at that time were foiled by law enforcement. Terrorists operate in small groups that might be interconnected but often act independently, complicating law enforcement.

"We're dealing with a very amorphous, hard-to-visualize adversary," Turchie said. "Things aren't always what they seem. In pursuing terrorists we need to be certain we're reaching the right conclusions."

The heightened awareness of law enforcement in the wake of the '93 World Trade Center attack has served to help law enforcement agencies foil other plots, he said. An alert custom's agent whose suspicions were aroused by the license plate on a car thwarted the "millennium plot" of New Year's 2000 targeting Los Angeles airport. An Algerian national was arrested and the plot eventually revealed.

Domestic terrorists have also proven to be elusive though they operate as "lone wolf terrorists," Turchie detailed the 16-year effort to track down the Unabomber and the ongoing effort to capture Eric Robert Rudolph, who has been indicted for the 1996 Centennial Park Olympic bombing, two other bombings in Atlanta in 1997, and a 1998 bombing in Birmingham in which a police officer was killed.

Closer to home, Turchie discussed the militia plot to blow up propane storage tanks near Sacramento and Fremont bomber Rodney Blach, two cases in which law enforcement enlisted the assistance of Laboratory experts.

"Domestic terror and international terror go hand in hand," Turchie said. "We've had the recent anthrax attacks. Who knows where it is coming from. We need to be careful not to jump to conclusions."

Turchie acknowledged we have a "huge learning curve" in combating terrorism, but remains "optimistic we can change course"

and "get a handle on this problem."

"Don't get paranoid and don't get anxious," he said. "There are things you can do."

"Times have changed. Learn to be alert and more aware of your surroundings. Trust your instincts," Turchie said. "It's OK to be suspicious. It's good to report suspicious circumstances to law enforcement agencies."

The following constitute suspicious activity:

- An unidentified vehicle parked outside LLNL's gates with an occupant appearing to note down license numbers of vehicles entering the Lab.
- Cars parked in your neighborhood that you've never seen before with the occupant appearing to watch your house or another house.
- An acquaintance tells you someone asked them personal questions about you.
- Be extremely cautious when observing suspicious packages left on your property or near your work space.
- Do not open mail that is leaking or is stained, has odors, no return address or a hand-printed address where there is no identification of the sender.
- Packages standing alone and unattended at an airport, train, subway or bus station.
- Individuals observed in the vicinity of bridges, tunnels, power plants or chemical storage facilities taking photographs, carrying knapsacks or engaging in surveillance activities.

- A person wearing a heavy winter coat approaching the Lab in the middle of summer.

"As the president said, watch for people who are in the crop duster, who you've never seen before," Turchie said.

People should also have an accountability plan to locate and account for members of their family during an emergency as well as maintaining a safe and secure place to store water, nonperishable food, portable radio, batteries, a thermal blanket and a first aid kit, he recommends.

Before official or unofficial travel, check with the SAFE office, Turchie said, and "ask for Bill Cleveland, travel agent."

Videotapes of Turchie's complete presentation are available for loan from the SAFE office. Call 2-5557.

Employees must complete Security Refresher Briefing by end of the month

Employees are reminded to complete the 2001 Security Refresher Briefing by Nov. 30. The briefing is available on the Safeguards & Security Program Website at http://www-security.llnl.gov/ssdpub/IPSD/srb01_01.html and on the Grapevine (<http://www-r.llnl.gov>).

The briefing is available in booklet form from department offices for people who do not have access to unclassified computers or who have requested booklets through their departments.

All LLNL employees and contractors must read the briefing and take the quiz at the end. People who are exempt from this requirement are visitors, offsite contractors without clearances, contractors whose clearances are held at other DOE facilities and DOE employees.

In order to take the quiz on the LLNL internal Web testing system, you will need a Web ID (same as LITE ID) and password. If you do not have an ID and password, you can get one at https://www-ais.llnl.gov/llnl_only/docs/menu/llnl/06news/Community/expo.html.



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